In the Claims

- 1. (Currently Amended) [A] In a method for converting a crude starting material comprising benzene and other aromatic hydrocarbons to useful C7 and C8 aromatic hydrocarbons, [which] the method which comprises contacting a crude starting material comprising aromatic hydrocarbons, wherein said aromatic hydrocarbons comprise from 5 to 80% by weight of benzene and other aromatic hydrocarbons, and a non-aromatic compound content of [1% by weight or less] more than 10% by weight, the steps which comprise:
- (A) lowering the content of said non-aromatic compounds to produce a refined starting material having a non-aromatic compound content having a value of 1% by weight or less, and
- (B) reacting said refined starting material in the presence of[, with] hydrogen and a catalyst containing mordenite and between about [0.01 to 5] 0.02 to 2% by weight rhenium to [perform at least one reaction selected from the group consisting of transalkylation, dealkylation and disproportionation, thereby diminishing] diminish the benzene content of said refined starting material and [converting] to convert at least a portion of said refined starting material into C7 or C8 aromatic hydrocarbons[; wherein hydrogen is present in said reaction].
 - 2. (Cancelled)
- 3. (Currently amended) The method for converting aromatic hydrocarbons as claimed in any one of claims 1 and 2, wherein said aromatic hydrocarbon conversion reaction is transalkylation reducing benzene content and C9 content to increase the contents of xylene and toluene in the product.
 - 4. (Previously cancelled)

- 5. (Currently amended) The method for converting aromatic hydrocarbons as claimed in claim 1 [or 2], wherein the starting material contains C9+ alkyl-aromatic hydrocarbons.
- 6. (Previously amended) The method for converting aromatic hydrocarbons as claimed in claim 5, wherein said benzene and said C9+ aromatic hydrocarbons in the starting material are reduced and C7 and C8 aromatic hydrocarbons in the product are produced.
 - 7. (Cancelled)
 - 8. (Cancelled)
 - 9. (Previously cancelled)
- 10. (Currently amended) A method for producing C7 and C8 aromatic hydrocarbons, which comprises mixing a fraction obtained through gasoline fractionation comprising benzene, with an aromatic hydrocarbon material that contains C9+ aromatic hydrocarbons to create a mixture having a non-aromatic compound content greater than 1% by weight, refining the mixture by [reducing] decreasing said non-aromatic compound content of said mixture to 1% by weight or less, then reacting the refined mixture with a catalyst containing mordenite and between 0.01 to 5% by weight rhenium to thereby diminish benzene content and convert the aromatic hydrocarbons therein, and separating the resulting C7 and C8 aromatic hydrocarbons from the reaction mixture.
- 11. (New) The method defined in claim 1, wherein the starting hydrocarbon material has a toluene or xylene content that is lower than the equilibrium composition of toluene and/or xylene in said starting material.
- 12. (New) The method defined in claim 1, wherein said benzene-containing hydrocarbon material and said catalyst in the presence of which said contact takes place has a reaction pressure of 0.1 100 MPa and is at a temperature of 200 650°C.

- 13. (New) The method defined in claim 1, wherein hydrogen is present in contact with said starting hydrocarbon material and said catalyst, and wherein said hydrogen has a flow rate of 0.1 and 20 mol/mol in terms of hydrogen/starting material.
- 14. (New) The method defined in claim 1, wherein the content of said non-aromatic compound in said starting material is 0.5% by weight or less.
- 15. (New) The method defined in claim 1, wherein the content of said non-aromatic compound in said starting material is 0.1% by weight or less.
- 16. (New) The method defined in claim 1, wherein said non-aromatic compounds are removed by distillation prior to contacting said starting material with said catalyst.